

# Claims

- [c1] 1. A handheld image capture device, comprising:  
a body, wherein the body comprises at least an optical lens, a micro flat panel display, and a Universal Serial Bus (USB) connector;  
an image processing circuit, configured in the body, for capturing images via the optical lens, processing and storing images via the USB connector that is coupled to a USB, and displaying captured or stored images via the micro flat panel display; and  
a power supply circuit, coupled to the image process circuit, for supplying power to the image process circuit.
- [c2] 2. The handheld image capture device as recited in claim 1, wherein the power supply circuit comprises:  
a rechargeable battery;  
a charging circuit, coupled to the rechargeable battery and the USB connector, for charging the rechargeable battery via power supply to the USB;  
a dc to dc converter, coupled to the rechargeable battery, for supplying power to the image processing circuit.
- [c3] 3. The handheld image capture device as recited in claim 1, wherein the micro flat panel display features a diago-

nal size of 0.6 inch.

- [c4] 4. The handheld image capture device as recited in claim 1, wherein the image processing circuit manages to process motion images so as to serve as a video camera thereof.
- [c5] 5. The handheld image capture device as recited in claim 1, wherein the image processing circuit manages to process still images so as to serve as a camera thereof.
- [c6] 6. The handheld image capture device as recited in claim 1, wherein the body further comprises a microphone, and the image processing circuit manages to process audio so as to serve as a recorder thereof.
- [c7] 7. The handheld image capture device as recited in claim 1, wherein the body further comprises a headphone jack, and the image processing circuit manages to process Moving Pictures Expert Group-1 Audio Layer 3, or MP3, audio so as serve as a MP3 player thereof.
- [c8] 8. A handheld image capture device, comprises:  
a body, wherein the body comprises at least an optical lens, a display, and a USB connector;  
an image processing circuit, configured in the body, for capturing images via the optical lens, processing and storing images via the USB connector that is coupled to a

USB, and displaying captured or stored images via the micro flat panel display;  
a rechargeable battery;  
a charging circuit, coupled to the rechargeable battery and the USB connector, for charging the rechargeable battery via power supply to the USB; and  
a dc to dc converter, coupled to the rechargeable battery, for supplying power to the image processing circuit.

[c9] 9. The handheld image capture device as recited in claim 8, wherein the display comprises a micro flat panel display.

[c10] 10. The handheld image capture device as recited in claim 9, wherein the flat panel display features a diagonal size 0.6 inch.

[c11] 11. The handheld image capture device as recited in claim 8, wherein the image processing circuit manages to process motion images so as to serve as a video camera thereof.

[c12] 12. The handheld image capture device as recited in claim 8, wherein the image processing circuit manages to process still images so as to serve as a camera thereof.

[c13] 13. The handheld image capture device as recited in

claim 8, wherein the body further comprises a microphone, and the image processing circuit manages to process audio so as to serve as a recorder thereof.

[c14] 14. The handheld image capture device as recited in claim 8, wherein the body further comprises a headphone jack, and the image processing circuit manages to process MP3 audio so as serve as a MP3 player thereof.